

GENERAL INFORMATION CONTACT

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REGISTRATION INFORMATION

The registration fee is \$475 and includes the reception and a copy of the conference digest. Registration can be completed online from the SOFM website at www.boulder.nist.gov/sofm

Registration Deadline
September 13, 2006

Requests for cancellation and refund must be received in writing by **September 5, 2006**.

Because of security requirements in U.S. Government facilities,
pre-registration is required.

Foreign Nationals

Please visit www.boulder.nist.gov/sofm for explicit entry requirements to the conference.

ACCOMMODATIONS

Best Western Boulder Inn

770 28th Street, Boulder, CO 80303
Phone: (303) 449-3800 Fax: (303) 402-9118
Rate: \$90 single + 10.25% tax

Boulder Outlook Hotel and Suites

800 28th Street, Boulder, CO 80303
Phone: (303) 443-3322 Fax: (303) 449-5130
Rate: \$79 single/double + 10.25 % tax

Rates valid until August 18, 2006



U.S. DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
325 Broadway
Boulder, Colorado 80305-3328

A NIST symposium for photonic and fiber measurements

SOFM 2006
www.boulder.nist.gov/sofm

Join us in Boulder for the premiere forum on measurement aspects of

FTTx

Fiber optic sensors

Optical fibers

Spectral measurements

Systems

Final Announcement

Boulder, Colorado, September 19-20, 2006

SOFM 2006 PROGRAM

SOFM consists of invited and contributed papers, workshops, and special sessions detailing measurement aspects of guided lightwave technology, photonic devices, and systems. This is the 14th SOFM, held at NIST in Boulder, Colorado, in even-numbered years since 1980.

This year's program, as diverse as any in the history of SOFM, includes the following areas:

Fiber Sensors

Invited – “Photonic Sensor Market Evolution Opportunities and Metrology Needs”

David Krohn, *Light Wave Venture*

Contributions on theoretical and practical aspects of sensors and NSOM from:

Mid-Sweden University, Fiberson,

and Ericsson Network Technologies (Sweden)

McMaster University (Canada)

Colorado State University

Dispersion Metrology

Invited – “PMD: Measurement Method Linkages”

Tom Hanson, *Corning, Inc.*

Contributions on PMD and wide-band and distributed chromatic dispersion from:

JDSU

Gwangju Institute of Science and Technology (Korea)

Muroran Institute of Technology (Japan)

National Physical Laboratory (UK)

Power-Related Metrology

Contributions on splices and coupling, return loss, power meter detector nonlinearity, clip-on monitoring, OTDR and SBS from:

NTT Corporation (Japan)

NIST and OZ-Optics

Southeast University (China)

Luna Technologies

EXFO

Swedish National Testing and Research Institute (Sweden)

Intelligent Automation, Inc.

For full program, visit:

www.boulder.nist.gov/sofm

Tutorial - FTTx Measurement Issues

Invited – “Critical Issues Relating to FTTH/PON Testing”

André Girard, *EXFO*

Invited – “WDM-PON for FTTx”

Byoung Kim, *Novera Optics, Inc.*

Invited – “FTTx Deployment Issues”

Jimmy Salinas, *AT&T*

Spectroscopic and Frequency Metrology

Invited – “Fiber Frequency Combs: Development and Applications”

Nathan Newbury, *NIST*

Contributions on frequency combs, supercontinua, and saturated absorption from:

Kansas State University

Instituto de Física Aplicada and

Universidad de Alcalá (Spain)

National Physical Laboratory and Imperial College (UK)

Program Committee

T.J. Drapela, *NIST (Symposium co-chair)*

P.A. Williams, *NIST (Symposium co-chair)*

A. Barlow, *PerkinElmer*

A. Champavere, *JDSU*

G.W. Day, *NIST*

S.C. Fleming, *University of Sydney*

D.L. Franzen, *NIST*

N. Gisin, *University of Geneva*

M. Hackert, *US Navy*

T.A. Hanson, *Corning*

D.A. Humphreys, *NPL*

J. Jackel, *Telcordia*

D.Y. Kim, *GIST*

P. Kolesar, *SYSTIMAX Solutions*

D. Krohn, *Light Wave Venture*

G. Kuyt, *Draka Comteq*

A. McCurdy, *OFS*

G.W. Schinn, *EXFO*

C. Shaar, *Photon Kinetics*

H. Takara, *NTT*

Systems Metrology

Invited – “Monitoring OSNR in Dynamic WDM Network”

Yun Chung, *KAIST*

Invited – “New Methods for Investigating Mode Coupling in Multimode Fiber: Impact on High-Speed Links and Channel Equalization”

Stephen Ralph, *Georgia Tech*

Contributions on optical signal quality and DMD measurements from:

NTT (Japan)

Gwangju Institute of Science and Technology (Korea)

Specialty Fibers

Invited – “Special Requirements for Measurement Techniques Used for POF and Thick Glass Fibers”

Olaf Ziemann, *POF-AC*

Invited – “Characterization of Hole-Assisted Fibers as Single Polarization Fibers and Polarization Maintaining Fibers”

Xin Chen, *Corning, Inc.*

Contributions on glass structure and index profiling from:

University of Melbourne and

Victoria University of Technology (Australia)

Université Paris Sud, Draka Comteq, and

Université des Sciences et Technologies de Lille

Workshop - Fiber and Photonic Metrology Roadmapping

Which fiber and photonic areas look “bright” for future metrology-related research?

Hear short presentations from NIST, NPL, and industry experts.

Then join in an open discussion on metrology directions for the photonic industry.

Conference Reception

A dinner reception for all conference attendees will be held the evening of Tuesday, September 19th, at the Red Lion Inn located in scenic Boulder canyon.

Sponsored by

NIST
National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

IEEE LEOS
LASERS & ELECTRO-OPTICS SOCIETY

OSA
Optical Society of America